



Mobile Digital Video Transmission System JM-LW

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Basic

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Accessories

Kit Pack



VGA & USB Adapter



Vehicle Charger



Power Adapter



GPS Receiver



RCA Connector



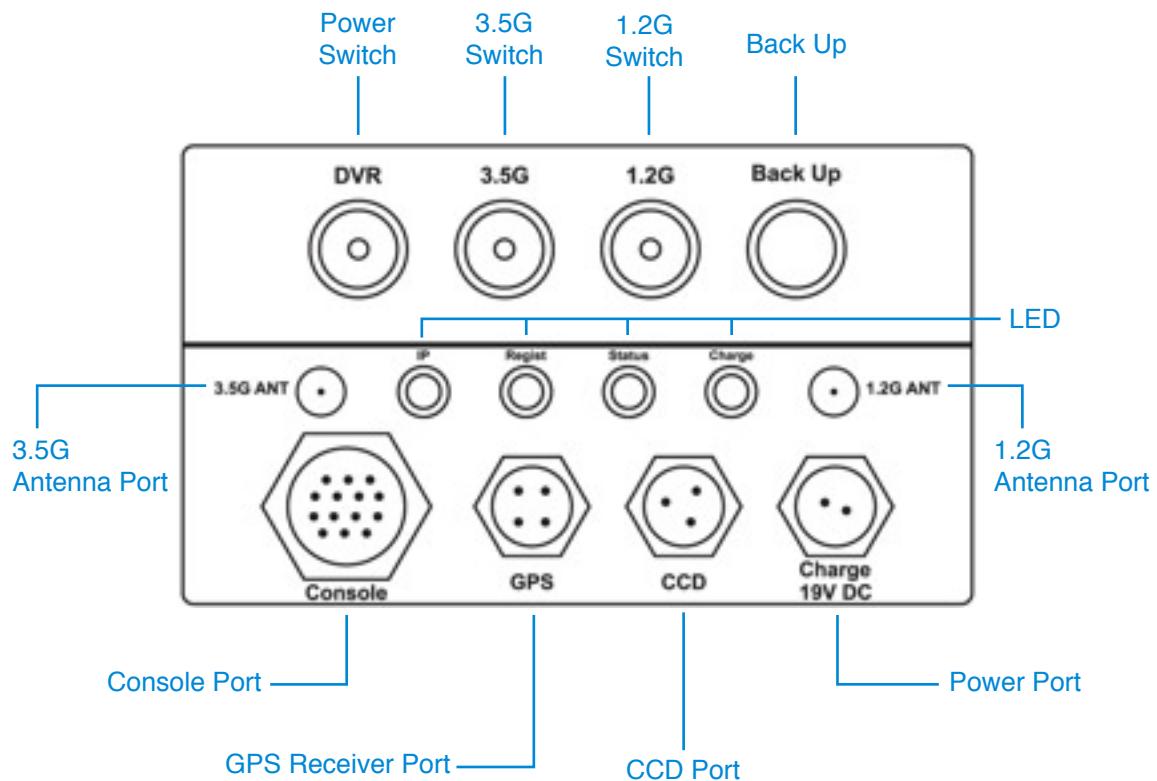
1.2G Antenna



3G Antenna



Features



DVR	JM-LW power switch
3.5G	3.5G network switch
1.2G	1.2G radio switch
Back Up	Back up video and GPS data
IP	ON: connected to the internet ; OFF: disconnected from the internet
Regist	ON: connected to the server ; OFF: disconnected from the server
Status	if the LED is on/off/irregularly flashes, please check the system
Charge	ON: charging ; OFF: charge complete
3.5G ANT	3.5G antenna port
1.2G ANT	1.2G antenna port
Console	USB & VGA adapter connection port
GPS	GPS receiver connection port
CCD	Video camera connection port
Charge 19V DC	Power adapter/vehicle charger connection port

Specification

Dimensions 222x146x85 mm	AC Power 110V/220V > 19V	REC. Frame Rate 30 fps	Transmission Frequency 3 to 30 fps
Weight 2.7 kg	Battery 12V 7800mA	Codec Format MPEG4 / M-JPEG	Ingress Protection Rating IP65
I/O Interface CIR656, GPIO	Storage Compact Flash	Resolution QVGA 320 x 240 VGA 640 x 480	Operating Requirements Temperature: -10 to 60 °C Humidity: 10% to 90%

Instruction

Setting Up and Using JM-LW

- Step 1: Plug in the 3.5G antenna*
- Step 2: Connect the video camera via RCA connector*
- Step 3: Press DVR Button to turn on JM-LW*
- Step 4: Press 3.5G Button to enable 3.5G network*
- Step 5: Press 1.2G Button to enable 1.2G radio*

important: To ensure the capability and quality of the connection between the camera and , we strongly recommend using the cameras that provide by JCALLY. To get more information about wireless portable cameras, please visit www.jcally.com.

Back Up Video and GPS Data

- Step 1: Connect the VGA & USB adapter*
- Step 2: Plug in USB storage devices*
- Step 3: Press Back Up Button to back up datas into the USB storage device*

Note: When backing up, the status LED light will flash rapidly. Wait for the flash to become normal to finish the backup process.

Preference Setup

Controls and Icons

Enter : Enter the current selection / Activate the setup menu

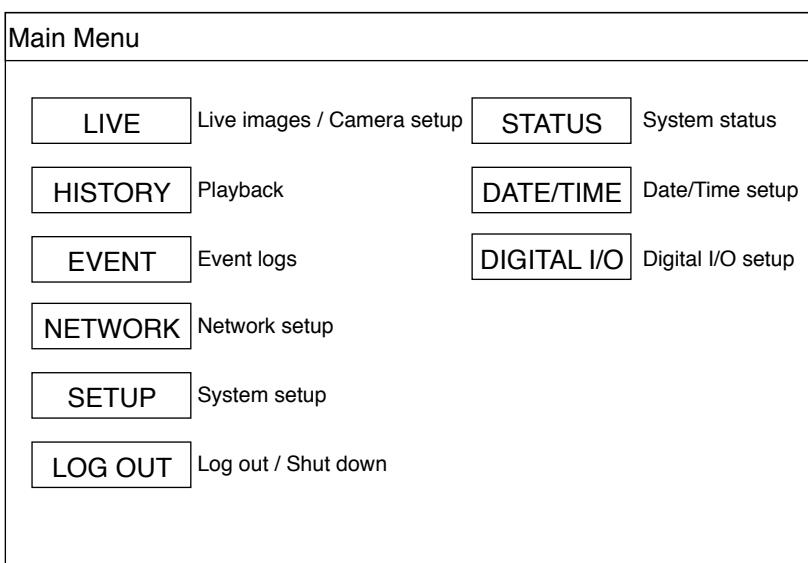
Esc : Exit

Tab **Page up** **Page down** : Move the selection

↑ **↓** **←** **→** **+** **-** : Adjust value

O : Save and exit **X** : Exit without saving

Home Screen



LIVE - View live videos / Camera Setup

DATE/TIME - Date / time setup

HISTORY - Play history records

DIGITAL I/O - Digital input / output setup

EVENT - View event logs

NETWORK - Network preference setup

SETUP - System preference setup

LOG OUT - Log out / shut down

STATUS - View system status

LIVE

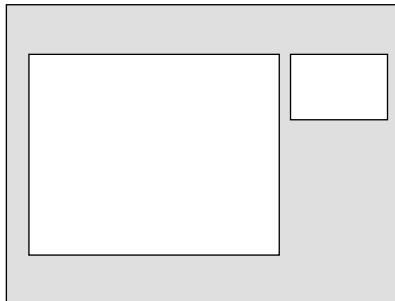
Live Video

After entered LIVE, you will see the live video in single frame or several videos in split frames like below:

Tile mode



Focus mode



Maximized mode



Camera Setup

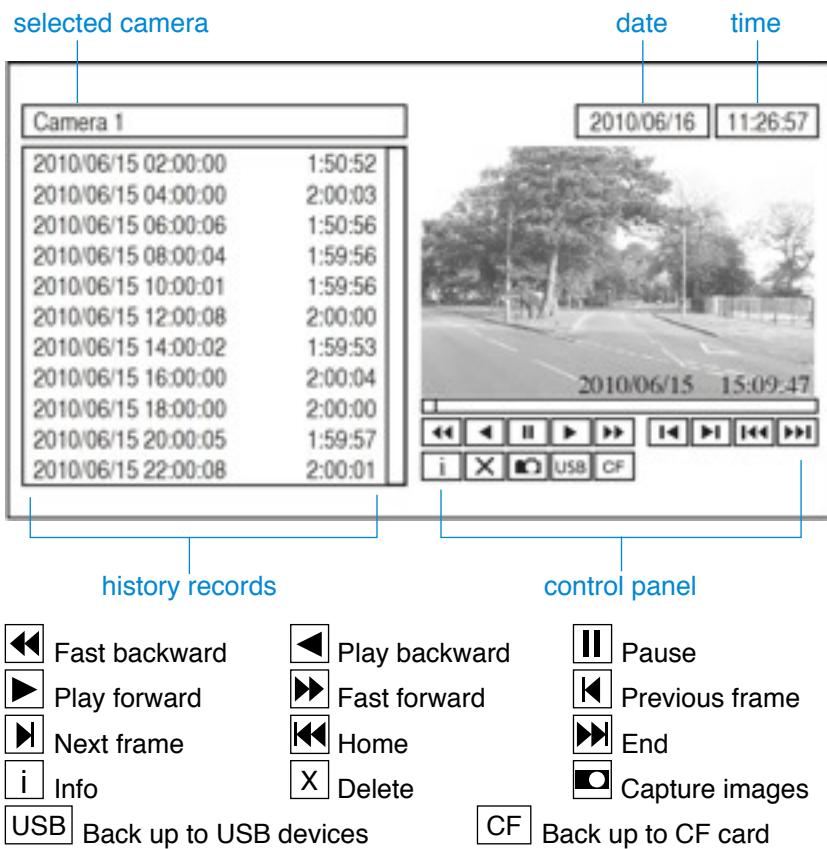
Select a camera and press **Enter** to activate the setup menu and adjust the preferences of the selected camera.

Open/Hide Cameras	Show/hide the selected camera
Open All	Show all cameras

Hide All	<i>Hide all cameras</i>
Record Continuously	<i>Start/stop continuously recording</i>
Record Motion	<i>Start/stop motion detection recording</i>
Stop Recording	<i>Stop recording from the selected camera</i>
Record All	<i>All cameras start recording</i>
Stop Recording All	<i>All cameras stop recording</i>
Video Recording Quality	<i>Set video recording quality</i>
Cont. Recording F.R.	<i>Set continuously recording frame rate</i>
On Motion Recording F.R.	<i>Set recording frame rate when motion detection is activated and triggered</i>
No Motion Recording F.R.	<i>Set recording frame rate when motion detection is activated but no motion detected</i>
Alarm Recording F.R.	<i>Set recording frame rate when alarm is triggered</i>
Pre Record	<i>Set pre record time</i>
Post Record	<i>Set post record time</i>
M.D. Trigger Threshold	<i>Set motion detection trigger threshold</i>
M.D. Noise Filter	<i>Set motion detection noise filter</i>
Apply To All	<i>Apply settings to all cameras</i>
Hue	<i>Adjust video hue</i>
Contrast	<i>Adjust video contrast</i>
U Saturation	<i>Adjust video chrominance</i>
V Saturation	<i>Adjust video chroma</i>
Brightness	<i>Adjust video brightness</i>
Volume	<i>Adjust video volume</i>
Recall Hardware Default	<i>Recall default settings</i>
Record Audio	<i>Enable/disable record audio</i>
Arrange Mode	<i>Set display arrangement</i>
Auto Scale View	<i>Enable/disable auto scaling frame to fit the screen</i>
Auto Sequence	<i>Enable/disable auto sequence switching between cameras</i>

History

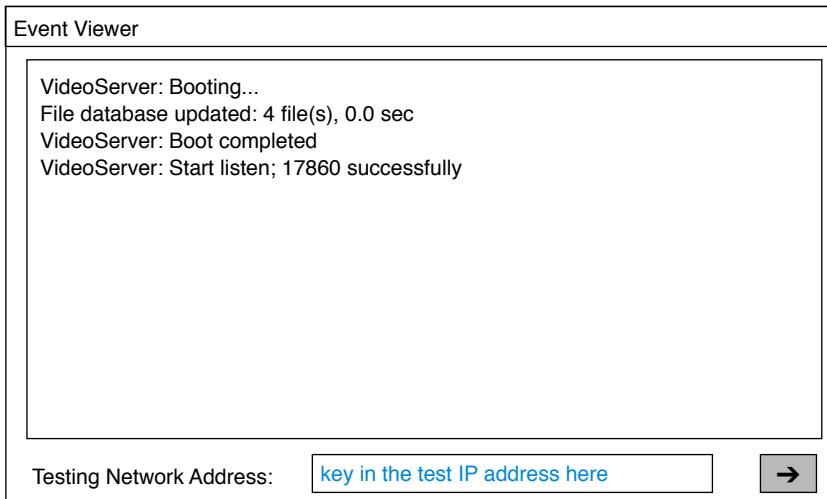
Play video records from the built-in memory.



Note: GPS information only shows in primary camera (camera 1)

EVENT

View event logs and test network connection — Event logs includes video camera connection history, login history, IP address, video recording mode, HDD status, DI/DO status, and video backup records. Users can also test network connections by keying in the test IP address in the field, and select then press .



NET WORK

Host Name/ID:	JM-LW01	1
Host Description:		
IP Obtain Type:	Static	
IP Address:	192.168. 0.100	2
Net Mask:	255.255.255. 0	
Default Gateway:	192.168. 0. 1	
DNS Address:	0. 0. 0. 0	
Local Port No:	17860	3
Name Server Register:	Enable	4
Address:	5	
<input type="button" value="O"/> <input type="button" value="X"/>		

1. Registered host name/ID
2. 3G router network setup
3. Server connection port
4. Connect to the server
5. Server IP address
6. Internet connection

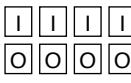
SETUP

Modify system preference (videos, sounds, alarms, languages, etc.)

LOG OUT

Log in with a different account to access the system.

STATUS

System Status	
PDVR 1.4.2 (Oct 29, 2005) Loged in User: Admin	
Alarm Status: Normal Total Capacity: Free Space: 36%, 10.90 GB Total Video File(s): 4	
30.0GB HDD2 HDD3 HDD4	1
	2
LAN IP = 0.0.0.0 Dial Up: No Service Name Server: Disable Download: 0 Byte(s) Upload: 0 Byte(s) Total Download: 0.0 KB Total Upload: 0.0 KB Client Connection: 0	
Date: _____ UTC: _____ Status: Out of Signal Satellite Count: Latitude: Longitude: Speed: Course: _____	

1. System status
2. Digital Input / output
3. Network connection
4. GPS status

DATE/TIME

Set up system date and time

Date / Time Setup	
System Date (YYYY/MM/DD):	2010/04/21
System Time (HH:MM:SS):	18:49:19
<input type="button" value="O"/> <input type="button" value="X"/>	

DIGITAL I/O

Digital input / output information.

Digital I/O Setup	
DI 1:	<input type="text"/> <input type="button" value="O"/>
DI 2:	<input type="text"/> <input type="button" value="X"/>
DI 3:	<input type="text"/>
DI 4:	<input type="text"/>